



Professional Packaging Systems

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Markem-Imaje 5800 High-Resolution Inkjet Printer



At a Glance

- Solvent-free Touch Dry hot melt inks are safe to handle and environmentally friendly
- Highest optical density ink prints high-contrast C-grade GS1-128 barcodes
- Multiple jetting orientations

Pricing

Call us at 888-318-0083

Many options are available. Complete details will need to be finalized to determine requirements and final system costs. Work with your Pro Pac representative to build this machine to your specifications.

High-Contrast Text, Logos and Barcodes

The Markem-Imaje 5000 high-resolution inkjet coders utilize Touch Dry hot melt inks which are solvent-free, safe to handle and environmentally friendly.

Codes never bleed or fade, dry on contact and are 100% readable. Intelli'Wax printheads combined with our exclusive Intelli'Dark Touch Dry ink produce the darkest, consistently scannable, direct print codes in the industry.

Benefits

Less Downtime The 5000 Series with Intelli'Wax printheads improves productivity by enabling operators to replenish ink without stopping the production line.

Designed for Efficiency Uncomplicated menu structure combined with easy to navigate touch screen user interface results in faster job changes and effortless operation.

Less Operator Intervention Solventless, ink and autopurge technology reduce operator maintenance.

Enhanced Performance

GS1-128 Codes Highest optical density ink prints images on corrugate with Intelli'Dark for high-contrast barcodes to achieve C-grade GS1-128 barcodes.

Touch Dry Hot Melt Inks Print on a wide range of substrates and in environments ranging from 0 to 40°C., a much wider range of inks than competitive printers.

High-Quality Codes Faster Large drop volume at high frequency provides reliable printing at speeds up

to 121 meters/minute (barcodes).

Increased Flexibility

Easier Line Integration Multiple jetting orientations; single side, opposite side, side (up to 30° tilt angle for inclined conveyors), and top printing and smaller overall footprint.

Equipped for Your Application Product configuration options include scanners, cameras, encoders, printhead slide assemblies, and stands.

Connect to Your ERP With CoLOS software the 5800 can be integrated with production lines, databases, and ERP systems to automatically populate image designs.

Operations

Printheads: - Up to two printheads - Two 5800s parent-child printheads provide up to four printheads

Color LCD touch screen: - Image selection, variable data entry, diagnostics and system setup -

Selectable multi-language menus - Image preview - Access level password protection - Full system diagnostic menu - Local language versions

Printhead orientations: Vertical or up to 30° in process direction

Software: - CoLOS Create image design software included - CoLOS Create Pro (optional) - CoLOS Enterprise for networking (optional)

Encoder options: - Internal: For fixed conveyor speed printing - External: For optimizing print quality, recommended for barcode printing

Photo-Edge Sensors: Print (trigger) signal and a maximum of two per system

Software interface: - USB for downloading images, settings and data files - Ethernet (including web user interface) - Communications protocols for PCs, PLCs and packaging machines - Compatible with Weihenstephan standard

Hardware outputs: (3) Fault relay

Ink replenishment: User prompted to add ink - without the need to suspend printing

Interfaces: Hand held product select scanner

Print Features

Print Density	DPI - Ink Drops per Inch	Typical Speed (m/min)	Max Speed (m/min)
1	150 x 200	121.9	172
2	300 x 200	61	86
3	450 x 200	40.6	57
4	600 x 200	30.5	43
5	750 x 200	24.4	34

Print head: - Vertical DPI: 200 - Addressable jets: 256 - Nozzles: 512

Print densities: 1 to 8

Encoder scaling: Allows for conveyor line speed matching and for higher print speeds with a reduction in the print resolution

Print area: Maximum/printhead print height: 65 mm (2.56") Print length: 3,000 mm (118.11")

Print specification: Full true type fonts supported

Time, date, serial: Real-time clock (hr/min/sec), dates and auto updating best before dates and serial numbers

Barcodes (Linear and 2D): - ITF, Code 39, Code 128, EAN 128, EAN 8, EAN 13, UPC A, UPC E, Data Matrix, RSS linear, RSS composite, QR, RSS 14, RSS expanded, PDF 417

Other Characteristics

System Heads	Operating Watts	Peak Warm Up Watts
1	150	600
2	250	600
3	400	600
4	500	600

Printhead weight: 7.2 kg

Control box weight: 11.2 k

Touch dry hot melt inks: Available in various series and colors

Electrical: - 100-240 V, 50-60 Hz - FCC Part 5 Subpart B, ICES 003 - UL STD 62368-1 - Certified to CSA STD C22.2 # 62368-1 - ETL mark for USA, Canada - CE: EMC directive 2014/30/EU, Machinery directive 2006/42/EC

Operating environment: 0 to 40°C (32 to 104°F). IP42 (controller only)

Support: - Instruction manual and CD-ROM User Guide (includes spare parts, options, and accessories catalog) - Regional telephone technical and product support - Web site technical and product support

Accessories

Printhead slide assembly

Signal tower assembly

Post print barcode scanner assembly

TU Look-up assembly

Optional expansion unit (OEU) support 11 inputs, 8 outputs and 1 additional scanner port

Printer service kits

Please [contact Pro Pac](#) or call 888-318-0083 for your printing and date-coding equipment.